

Appl. No. 10/749,701
Amdt. dated Jan. 13, 2005
Reply to Office Action of Oct. 18, 2004

IN THE CLAIMS

1. (Original) A shaving apparatus, comprising:
one or more razor blades;
a reservoir for containing a non-solid shaving aid material;
at least one conduit extending between the reservoir and one or more ports; and
a pump in fluid communication with one or both of the reservoir and the conduit, wherein movement of the one or more razor blades actuates the pump, and the pump transfers shaving aid material from the reservoir to the one or more ports.
2. (Original) The shaving apparatus of claim 1, wherein the one or more razor blades are mounted in a head assembly.
3. (Original) The shaving apparatus of claim 1, wherein the one or more razor blades are mounted in a razor cartridge.
4. (Original) The shaving apparatus of claim 3, wherein the pump comprises a mechanism that is reciprocally operable.
5. (Original) The shaving apparatus of claim 4, wherein the mechanism comprises a sleeve, a stem that translates along a length of the sleeve in a first direction to provide a pressure stroke, and a spring operably disposed at the sleeve to bias the stem in a second direction to provide a return stroke.
6. (Withdrawn) The shaving apparatus of claim 3, wherein the pump comprises a bellows mechanism that operates in response to a reciprocating motion.
7. (Withdrawn) The shaving apparatus of claim 6, wherein the bellows mechanism comprises a plurality of flexible pleats, the pleats being collapsible in a first direction to provide a pressure stroke and expandable in a second direction to provide a return stroke.

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8. (Original) The shaving apparatus of claim 3, further comprising a valve disposed in fluid communication with the reservoir.

9. (Original) The shaving apparatus of claim 8, wherein the valve is a one-way valve operable to permit the entry of ambient air into the reservoir upon operation of the pump.

10. (Original) The shaving apparatus of claim 3, wherein the razor blade is mounted in a razor cartridge.

11. (Original) The shaving apparatus of claim 10, wherein the razor cartridge is pivotally mounted in a head assembly.

12. (Original) A shaving aid material pump, comprising:

a reciprocating mechanism selectively operable to transfer shaving aid material from a reservoir to a port for dispensing to a surface being shaved, wherein the reciprocating mechanism includes a biasing mechanism.

13. (Original) The pump of claim 12, wherein the reciprocating mechanism further comprises:

a sleeve; and

a stem that translates along at least a portion of a length of the sleeve in a first direction to provide a pressure stroke.

14. (Original) The pump of claim 13, wherein the biasing mechanism comprises a spring operably disposed at the sleeve and operably disposed at the stem to bias the stem in a second direction to provide a return stroke.

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15. (Withdrawn) The pump of claim 12, wherein the reciprocating mechanism comprises a bellows comprising a series of flexible pleats, the pleats being collapsible in a first direction to provide a pressure stroke and expandable in a second direction to provide a return stroke.

16. (Original) The pump of claim 12, further comprising a conduit extending from the pump to the port.

17. (Original) The pump of claim 12, further comprising a valve disposed in communication with the reservoir to provide a pressure differential to facilitate the flow of shaving aid material from the reservoir.

18. (Original) The pump of claim 17, wherein the valve is a one-way valve that permits ambient air to enter the reservoir upon operation of the pump.